

321

HYDRAULIC EXCAVATOR



SOLVING YOUR TOUGHEST CHALLENGES

Engine Power

ISO 14396

100 kW (134 hp)

ISO 14396 (DIN)

136 hp (metric)

Operating Weight

19 700 kg (43,500 lb)



TECHNICAL SPECIFICATIONS

See cat.com for complete specifications.

ENGINE		
Engine Model	Cat® C3.6	
Net Power – ISO 9249	96 kW	129 hp
Net Power – ISO 9249 (DIN)	131 hp (metric)	
Engine Power – ISO 14396	100 kW	134 hp
Engine Power – ISO 14396 (DIN)	136 hp (metric)	
Bore	98 mm	4 in
Stroke	120 mm	5 in
Displacement	3.6 L	220 in³
Biodiesel Capability	Up to B20 ⁽¹⁾	
<ul style="list-style-type: none">• Noncertified emission engine.• Recommended for use up to 4000 m (13,120 ft) altitude with engine power derate above 3000 m (9,840 ft).• Advertised power is tested per the specified standard in effect at the time of manufacture.• Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.• Engine speed at 2,000 rpm.		
⁽¹⁾ Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to: <ul style="list-style-type: none">✓ 100% biodiesel FAME (fatty acid methyl ester)*✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. *For use of blends higher than 20% biodiesel, consult your Cat dealer. **Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.		
HYDRAULIC SYSTEM		
Main System – Maximum Flow – Implement	315 L/min	83 gal/min
Maximum Pressure – Equipment – Implement	35 000 kPa	5,075 psi
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	25 000 kPa	3,625 psi
SWING MECHANISM		
Swing Speed	10 rpm	
Maximum Swing Torque	61 kN·m	45,260 lbf·ft
MACHINE WEIGHTS		
Operating Weight	19 300 kg	42,600 lb
4.1 m (13'5") Standard undercarriage, 5.7 m (18'8") Reach boom, R2.25 (7'5") stick, 1.0 m³ (1.31 yd³) General Duty (GD) bucket, 600 mm (24") triple grouser track shoes and 3650 kg (8,050 lb) counterweight.		
Operating Weight	19 700 kg	43,500 lb
4.25 m (13'11") Medium undercarriage, 5.7 m (18'8") Reach Boom, R2.25 m (7'5") stick, 1.0 m³ (1.31 yd³) GD bucket, 600 mm (24") triple grouser track shoes and 3650 kg (8,050 lb) counterweight.		

SERVICE REFILL CAPACITIES		
Fuel Tank	370 L	97.7 gal
Cooling System	22 L	5.8 gal
Engine Oil (with filter)	11 L	2.9 gal
Swing Drive	6 L	1.6 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System (including tank)	218 L	57.6 gal
Hydraulic Tank	115 L	30.4 gal
DIMENSIONS		
Boom	Reach 5.7 m (18'8")	
Stick	Reach 2.25 m (7'5")	
Bucket	GD 1.0 m³ (1.31 yd³)	
Undercarriage	4.1 m (13'5") Standard	
Shipping Height – Top of Cab	3250 mm	10.7 ft
Handrail Height	3010 mm	9.9 ft
Machine Length (with boom, stick, bucket installed)	9570 mm	31.4 ft
Tail Swing Radius	2830 mm	9.3 ft
Counterweight Clearance (without shoe lug height)	1020 mm	3.3 ft
Ground Clearance (without shoe lug height)	430 mm	1.4 ft
Track Length	4080 mm	13.4 ft
Track Length – Length to Center of Rollers	3270 mm	10.7 ft
Track Gauge – Undercarriage	2200 mm	7.2 ft
Transport Width – 600 mm (24") shoes	2800 mm	9.2 ft
WORKING RANGES AND FORCES		
Boom	Reach 5.7 m (18'8")	
Stick	Reach 2.25 m (7'5")	
Bucket	GD 1.0 m³ (1.31 yd³)	
Undercarriage	4.1 m (13'5") Standard	
Maximum Digging Depth	5970 mm	19.6 ft
Maximum Reach at Ground Level	9150 mm	30.0 ft
Maximum Cutting Height	9120 mm	29.9 ft
Maximum Loading Height	6250 mm	20.5 ft
Minimum Loading Height	2920 mm	9.6 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5760 mm	18.9 ft
Maximum Vertical Wall Digging Depth	5360 mm	17.6 ft
Bucket Digging Force (ISO)	135 kN	30,280 lbf
Stick Digging Force (ISO)	119 kN	26,800 lbf

For more complete information on Cat products, dealer services and industry solutions, visit us on the web at www.cat.com.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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